

Project Summary and Abstract File

Name of the Applicant: Metropolitan Washington Council of Governments (MWCOG)

Project Director: Joan Rohlf, Environmental Resources Program Director

Project Title: Washington Regional Electric Vehicle Coalition and Regional Plan for Electric Vehicles and Electric Vehicle Charging Infrastructure

Objectives of the Project: Prepare a plan for deployment of plug-in hybrid and all-electric vehicles and charging infrastructure in the Metropolitan Washington, DC/MD/VA region addressing each of the plan elements in the DOE Sample Plan Outline. Address the state-specific conditions in the District of Columbia, Maryland and Virginia that will require unique implementation policies and actions due to differences in underlying local government, land-use/zoning and utility laws and regulations.

Objectives for Phase I - Scoping and Partnership Team Development. Form a regional Electric Vehicle (EV) Coalition with project partners and key regional stakeholder to guide the development of a regional EV plan. Form workgroups to handle development of individual plan elements.

Objectives for Phase II - Data Acquisition and Analysis. Develop plan elements through the analytical work of specific workgroups under the direction of workgroup task leaders.

Objectives for Phase III-- Validation, Integration, Review and Adoption. Validate the individual planning elements, seek additional stakeholder input, and integrate into regional EV plan for adoption by the coalition.

Methods: The scope of this project in the metropolitan Washington, DC/MD/VA region will be to conduct a one-year planning initiative to develop a Regional Plug-in Electric Vehicle and EV Charging Infrastructure Deployment Plan. The project will be managed by the Metropolitan Washington Council of Governments (MWCOG) in close partnership with a core team comprised of the Greater Washington Region Clean Cities Coalition, Virginia Clean Cities, Maryland Clean Cities, the Baltimore Electric Vehicle Initiative (BEVI), the Northern Virginia Regional Commission (NVRC), the International City and County Managers Association (ICMA), and the National Alternative Fuels Training Consortium - West Virginia University (NAFTC). Other participants to assist with the planning effort include area electric utilities (Dominion Virginia Power, Pepco, NOVEC, Potomac Edison), the Maryland Clean Energy Center, and area transportation authorities - Metropolitan Washington Airports Authority (MWAA) and Washington Metropolitan Area Transit Authority (WMATA).

Based on the results of the self-assessment, the planning effort will focus on several areas where the region needs to accomplish more to be ready for electric vehicle deployment. These focus areas include formalizing a regional coalition of partners, developing credible estimates of the anticipated market penetration of EVs and charging infrastructure, developing approaches to streamline approaches to permitting, installing, and inspecting residential, commercial, and public charging infrastructure, and creating a training program for first responders and building code inspectors.

Potential Impact (benefits/outcomes): With this proposal, MWCOG hopes to have the following outcomes: regional and local plans, programs, policies, and processes to facilitate transition to electric transportation in the National Capital Region (NCR); formal establishment of a Washington Regional Electric Vehicle Coalition; coordination of public and private infrastructure planning activities; streamlining permitting and inspection; training program for first responders and other stakeholders; assessment of EV and EVSE markets and projections; identification of charging infrastructure needs; coordinated messages; and improved consumer information about electric vehicles and supporting infrastructure in the Metropolitan Washington region.